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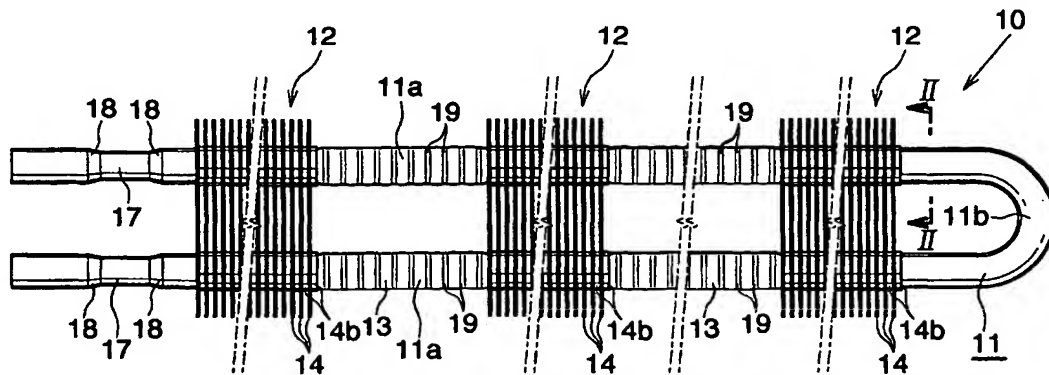
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(54) Title: FINNED TUBE FOR HEAT EXCHANGERS, HEAT EXCHANGER, APPARATUS FOR FABRICATING HEAT EXCHANGER FINNED TUBE AND PROCESS FOR FABRICATING HEAT EXCHANGER FINNED TUBE



(57) Abstract: A plurality of fin groups 12 each comprising parallel plate fins 14 are arranged on two straight tube portions 11a of a fin fixing hairpin tube 11 longitudinally of the tube portions at a spacing, by forming two tube inserting holes 14a as spaced apart in each of the plate fins 14 and inserting the two straight tube portions 11a through the respective holes 14a of the plate fins 14. The hairpin tube 11 is enlarged with use of a fluid to fixedly fit the plate fins 14 of the fin groups 12 around the straight tube portions 11a of the tube 11. The straight tube portions 11a of the tube 11 each have a finless part 13 provided between each pair of adjacent fin groups 12. The finless part 13 of each straight tube portion 11a bears clamp marks 19 on the outer peripheral surface thereof. A heat exchanger comprising a heat exchanger finned tube 10 thus constructed is adapted to diminish leakage of the refrigerant and achieves a desired refrigeration efficiency.

## INTERNATIONAL SEARCH REPORT

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<b>A. CLASSIFICATION OF SUBJECT MATTER</b> Int.Cl <sup>7</sup> F28F1/32, F28D1/047, B21D53/08		
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<b>B. FIELDS SEARCHED</b> Minimum documentation searched (classification system followed by classification symbols) Int.Cl <sup>7</sup> F28F1/32, F28D1/047, B21D53/08		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Japanese Utility Model Gazette 1926-1996, Japanese Publication of Unexamined Utility Model Applications 1971-2004, Japanese Registered Utility Model Gazette 1994-2004, Japanese Gazette Containing the Utility Model 1996-2004		
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)		
<b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b>		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	JP 4-279234 A (SHOWA ALUMINUM CORPORATION) 1992.10.05 (Family:None)	1-22
A	JP 9-253775 A (SHOWA ALUMINUM CORPORATION) 1997.09.30 (Family:None)	1-22
A	JP 2002-282972 A (SHOWA DENKO K.K.) 2002.10.02 (Family:None)	1-22
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